

ABSTRACT OF THE DISCLOSURE

5 This invention provides experimental animals suffering corneal epithelial damages, such as dry eye, and methods of using the same to assay a variety of compounds for evaluating the therapeutic effect thereof on said disease, and medicine selected using said method, wherein said corneal epithelial damage is induced by the steps of: using a water-absorbing material having a physical state selected from powder, solution, gel, jelly and tablet, and contacting the said absorbing material with the ocular cornea to generate a difference in osmotic pressure between the inside and outside of ocular corneal epithelium cells.